

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of ) Examiner: A. Mehta  
Daniel F. Klessig et al. ) Group Art Unit: 1638  
Serial No.: 09/623,034 ) Response to paper No.: 4  
Filed: August 24, 2000 )  
For: "Methods of Using a Pathogen- )  
Activatable Map Kinase to )  
Enhance Disease Resistance in )  
Plants" )

# 71A  
JP  
8/1/02  
**RECEIVED**

JUN 12 2002

TECH CENTER 1600/2900

**AMENDMENT AND REQUEST FOR RECONSIDERATION UNDER**  
**37 C.F.R. §1.111**

In response to the January 15, 2002 Official Action,  
please amend the above-identified patent application as  
follows:

**In the Specification:**

Please insert at Page 1, Line 1 the following statement:

A'  
--This application is a §371 Application of  
PCT/US99/03882, filed February 23, 1999 which in turn claims  
priority to US Provisional Application No. 60/075,685, filed  
February 24, 1998.--

A2  
(Page 5, Line 29) **Figures 1A and 1B.** Activation of 48-kD  
and 44-kD kinases in TMV-infected tobacco. Tobacco plants  
carrying *N* resistance gene (*N. tabacum* cv Xanthi nc [NN]) were  
inoculated with either TMV (U1 strain, 1 µg/mL in 50 mM  
phosphate buffer, pH 7.0) or buffer only (mock). After  
infection, plants were maintained at 32°C for 48 hr. Discs  
from the infected leaves were collected at various time after  
the plants were shifted back to 22°C (hps, hr post shift) and  
protein extracts were prepared. **Fig. 1A:** In-gel kinase  
activity assay. Extracts containing 15 µg protein were